

#5/K.T.
6/10
L.D.S.

Patent

Attorney's Docket No. 028722-274

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

J1040 U.S. PTO
10/083590
02/27/02

In re Patent Application of)
Iatrou, et al.)
Application No.: Unassigned) Group Art Unit: Unassigned
Filed: Herewith) Examiner: Unassigned
(Divisional of Ser. No. 09/256,694)
For: SEQUENCES FOR IMPROVING THE)
EFFICIENCY OF SECRETION OF NON-)
SECRETED PROTEINS IN MAMMALIAN)
AND INSECT CELLS)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98(d), copies of the documents cited are not enclosed as all the documents have been previously submitted in U.S. Patent Application Ser. No. 09/256,694, filed February 24, 1999, to which the present application claims priority under 35 U.S.C. §120.

United States Patents

	<u>Inventor</u>	<u>Issue date</u>	<u>Pat. No.</u>
1.	Summers	10/13/92	5,155,037
2.	Murphy et al.	5/14/96	5,516,657
3.	Black et al.	8/20/96	5,547,871
4.	Rosen	10/15/96	5,565,362
5.	Grandics et al.	11/5/96	5,571,720
6.	Robinson et al.	11/19/96	5,576,195
7.	Iatrou	06/02/98	5,759,809

8.	Ming et al.	03/10/98	5,726,044
9.	Lo et al.	07/30/96	5,541,087
10.	Hammock et al.	10/07/97	5,674,485
11.	Ciardelli et al.	11/17/98	5,837,816
12.	Cayley et al.	June 1998	5,770,192
13.	Londos et al.	June 2000	6,074,842

International Patents

	<u>Date</u>	<u>Country</u>	<u>Patent No.</u>
1.	08/02/89	EPO	0 326 419
2.	08/03/94	EPO	0 608 696
3.	04/05/95	EPO	0 646 646.
4.	01/06/94	PCT	WO 94/00585
5.	02/17/94	PCT	WO 94/03588
6.	06/29/95	PCT	WO 95/17515
7.	03/03/99	PCT	WO 99/10489

Publications

1. Bei, R., J. Schlom, and S.V.S. Kashmiri, 1995. "Baculovirus expression of a functional single-chain immunoglobulin and its IL-2 fusion protein," *J. of Immunological Methods*. **186**, pp. 245-255.
2. Bonning, et al., (1994) "Superior expression of juvenile hormone esterase and β -galactosidase from the base protein promoter of *Autographica californica* nuclear polyhedrosis virus compared to the p10 protein and polyhedrin promoters" *Journal of General Virology* **75**:1551-1556.
3. Bonning and Hammock, (1996) "Development of Recombinant Baculoviruses for Insect Control" *Annual Review of Entomology* **41**:191-210.

4. Brinster et al., (1988) "Introns increase transcriptional efficiency in transgenic mice" *PNAS U.S.A.* **85**:836-840.
5. Chai, et al., (1993) "Glycosylation and high-level secretion of human tumour necrosis factor- β in recombinant baculovirus-infected insect cells" *Biotechnol. Appl. Biochem* **18**:259-273.
6. Clément and Jehanno, (1995) "Secretion of a bacterial protein by mammalian cells" *Journal of Biotechnology* **43**:169-181.
7. Collins, et al. (1994) "Cloning and expression of bovine and porcine interleukin-2 baculovirus and analysis of species cross-reactivity" *Veterinary Immunology and Immunopathology* **40**:313-324.
8. Congote and Li, (1994) "Accurate processing and secretion in the baculovirus expression system of an erythroid-cell-stimulating factor consisting of a chimaera of insulin-like growth factor II and an insect insulin-like peptide" *Biochem J.* **299**:101-107.
9. Cottrez, et al., (1994) "Murine interleukin-4 production with a baculovirus: an easy and rapid method for a small scale production of functional interleukins" *Eur. Cytokine Netw.* **5(5)**:481-487.
10. Davis and Wood (1995) "Intrinsic glycosylation potentials of insect cell cultures and insect larvae" *in vitro Cell. Dev. Biol.* **31**:659-663.
11. DiFalco, M.R., E. Bakopanos, M. Patricelli, G. Chan, and L.F. Congote. 1997. "The influence of various insect cell lines, p10 and polyhedrin promoters in the production of secreted insulin-like growth factor-interleukin-3 chimeras in the baculovirus expression system." *J. of Biotechnology.* **56**, pp. 49-56.
12. Farrell, Patrick J., Maolong Lu, J. Prevost, C. Brown, L. Behie, and K. Iatrou. "High-level expression of secreted glycoproteins in transformed lepidopteran insect cells using a novel expression vector." 1998. *Biotechnology and Bioengineering*, Vol. 60, No. 6. pp. 656-663.
13. Garnier et al., (1994) "Scale-up of the adenovirus expression system for the production of recombinant protein in human 293S cells" *Cryotechnology* **15**(1-3):145-155.

14. Hanzlik et al., (1989) "Isolation and Sequencing of a cDNA clones coding for juvenile hormone esterase from *Heliothis virescens*" *J. Biol. Chem.* **264**(21):12419-12425.
15. Huybrechts et al. (1992) "Nucleotide sequence of a transactivating *Bombyx mori* nuclear polyhedrosis virus immediate early gene" *Biochim. Bioph. Acta.* **1129**:328-330.
16. Jarvis and Summers, (1989) "Glycosylation and secretion of human tissue plasminogen activator in recombinant baculovirus-infected cells." *Mol Cell Biology* **9**:214-223.
17. Johnson et al., (1992) "A cellular promoter-based expression cassette for generating recombinant baculoviruses directing rapid expression of passenger genes in infected insects" *Virology* **190**:815-823.
18. Keil (1971) "Trypsin" in *The Enzymes*, Academic Press, **3**:249-275.
19. Kroll et al., (1993) "A multifunctional prokaryotic protein expression system: Overproduction, affinity Purification and Selective Detection" *DNA and Cell Biology* **12**:441-453.
20. Kunkel (1985) "Rapid and efficient site-specific mutagenesis without phenotypic selection" *Proc. Nat. Acad. Sci U.S.A.* **82**:488-492.
21. Lo et al., (1998) "High level expression and secretion of Fc-X fusion proteins in mammalian cells", *Protein Engineering* **11**(6):495-500.
22. Lu et al., (1996) "Trans-activation of a cell housekeeping gene promoter by the IE1 gene product of baculoviruses" *Virology* **218**:103-113.
23. Maiorella et al. (1988) "Large scale insect culture media for recombinant protein production" *Bio/Technology* **6**:1406-1410.
24. Martens et al., (1995) "Characterization of baculovirus insecticides expressing tailored *Bacillus thuringiensis* CryIA(b) crystal proteins" *J. of Invertebrate Pathology* **66**:249-257.
25. Martin-Eauclaire, et al., (1994) "Production of active, insect-specific scorpion neurotoxin in yeast" *Eur. J., Biochem.* **223**:637-645.

26. Mounier and Prudhomme, (1986) "Isolation of actin genes in *Bombyx mori*: the coding sequence of a cytoplasmic actin gene expressed in the silk gland is interrupted by a single intron in an unusual position" *Biochimie* **68**:1053-1061
27. Mroczkowski, et al., (1994) "Secretion of thermostable DNA polymerase using a novel baculovirus vector" *The Journal of Biological Chemistry* **269(18)**:13522-13528.
28. O'Reilly et al., (1992) *Baculovirus Expression Vectors*. W.H. Freeman and Co.
29. Sareneva, et al. (1994) "Role of *N*-glycosylation in the synthesis, dimerization and secretion of human interferon- γ " *Biochem J.* **303**:831-840.
30. Tzertziniz et al, (1994) "BmCF1, a *Bombyx mori* RXR-type receptor related to the *Drosophila ultraspiracle*", *Journal of Molecular Biology* **238**:479-486.
31. Wu, et al., (1994) "Heterologous protein expression affects the death kinetics of baculovirus-infected insect cell cultures: a quantitative study by use of η -target theory" *Biotechnol. Prog.* **10**:55-59.
32. Yamashina, (1956) "The action of enterokinase on trypsinogen" *Preliminary Notes* **20**:433-434.

This Information Disclosure Statement is being submitted within three (3) months of the filing date of the present application. Consequently, no fee is required pursuant to 37 C.F.R. §1.97(b).

By citing the above references, Applicants do not acquiesce or admit that any of these documents are "prior art" under 35 U.S.C. Applicants specifically reserve the right, where appropriate, to antedate any of the cited documents by an appropriate showing under 37 C.F.R. §1.131, §1.604, §1.608 or any other suitable means.

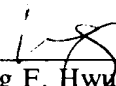
Information Disclosure Statement
Application No. Unassigned
Attorney's Docket No. 028722-274
Page 6

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: _____


Ping F. Hwang
Registration No. 44,164
Attorney for Applicants
Redwood Shores, CA Office
(650)-622-2300

P.O. Box 1404
Alexandria, Virginia 22313-1404

Date: February 26, 2002

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 ATTORNEY'S DKT NO.
028722-274

 APPLICATION NO.
Unassigned

 APPLICANT
IATROU et al.

 FILING DATE
Unassigned

 GROUP
Unassigned

 J1040 U.S. PTO
10/08/99
02/27/02

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
	5,155,037		Summers	10/13/92
	5,516,657		Murphy et al.	5/14/96
	5,541,087		Lo et al.	07/30/96
	5,547,871		Black et al.	8/20/96
	5,565,362		Rosen	10/15/96
	5,571,720		Grandics et al.	11/5/96
	5,576,195		Robinson et al.	11/19/96
	5,674,485		Hammock et al.	10/07/97
	5,770,192		Cayley et al.	06/1998
	5,759,809		Iatrou	06/02/98
	5,726,044		Ming et al.	03/10/98
	5,837,816		Ciardelli et al.	11/17/98
	6,074,842		Londos et al.	06/2000

FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
	0 326 419		EPO	08/02/89		
	0 608 696		EPO	08/03/94		
	0 646 646		EPO	04/05/95		
	WO 94/00585		PCT	01/06/94		
	WO 94/03588		PCT	02/17/94		
	WO 95/17515		PCT	06/29/95		
	WO 99/10489		PCT	03/03/99		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Bei, R., J. Schlom, and S.V.S. Kashmiri, 1995. "Baculovirus expression of a functional single-chain immunoglobulin and its IL-2 fusion protein," <i>J. of Immunological Methods</i> . 186, pp. 245-255.
	Bonning, et al., (1994) "Superior expression of juvenile hormone esterase and β -galactosidase from the base protein promoter of <i>Autographica californica</i> nuclear polyhedrosis virus compared to the p10 protein and polyhedrin promoters" <i>Journal of General Virology</i> 75:1551-1556
	Bonning and Hammock, (1996) "Development of Recombinant Baculoviruses for Insect Control" <i>Annual Review of Entomology</i> 41:191-210
Examiner Signature	Date Considered

Substitute for form 1449A/PTO	ATTORNEY'S DKT No.	APPLICATION No.
	028722-274	Unassigned
	APPLICANT	
	IATROU et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE	GROUP
	Unassigned	Unassigned

U.S. PATENT DOCUMENTS						
Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)		
	Number	Kind Code (if known)				
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	Brinster et al., (1988) "Introns increase transcriptional efficiency in transgenic mice" <i>PNAS U.S.A.</i> 85 :836-840					
	Chai, et al., (1993) "Glycosylation and high-level secretion of human tumour necrosis factor- β in recombinant baculovirus-infected insect cells" <i>Biotechnol. Appl. Biochem</i> 18 :259-273					
	Clément and Jehanno, (1995) "Secretion of a bacterial protein by mammalian cells" <i>Journal of Biotechnology</i> 43 :169-181					
	Collins, et al. (1994) "Cloning and expression of bovine and porcine interleukin-2 baculovirus and analysis of species cross-reactivity" <i>Veterinary Immunology and Immunopathology</i> 40 :313-324					
	Congote and Li, (1994) "Accurate processing and secretion in the baculovirus expression system of an erythroid-cell-stimulating factor consisting of a chimaera of insulin-like growth factor II and an insect insulin-like peptide" <i>Biochem J.</i> 299 :101-107					
	Cottrez, et al., (1994) "Murine interleukin-4 production with a baculovirus: an easy and rapid method for a small scale production of functional interleukins" <i>Eur. Cytokine Netw.</i> 5 (5):481-487					
	Davis and Wood (1995) "Intrinsic glycosylation potentials of insect cell cultures and insect larvae" <i>in vitro Cell. Dev. Biol.</i> 31 :659-663					
	DiFalco, M.R., E. Bakopanos, M. Patricelli, G. Chan, and L.F. Congote. 1997. "The influence of various insect cell lines, p10 and polyhedrin promoters in the production of secreted insulin-like growth factor-interleukin-3 chimeras in the baculovirus expression system." <i>J. of Biotechnology</i> . 56 , pp. 49-56.					
	Farrell, Patrick J., Maolong Lu, J. Prevost, C. Brown, L. Behie, and K. Iatrou. "High-level expression of secreted glycoproteins in transformed lepidopteran insect cells using a novel expression vector." 1998. <i>Biotechnology and Bioengineering</i> , Vol. 60, No. 6. pp. 656-663.					
	Garnier et al., (1994) "Scale-up of the adenovirus expression system for the production of recombinant protein in human 293S cells" <i>Cryotechnology</i> 15 (1-3):145-155					
	Hanzlik et al., (1989) "Isolation and Sequencing of a cDNA clones coding for juvenile hormone esterase from <i>Heliothis virescens</i> " <i>J. Biol. Chem.</i> 264 (21):12419-12425					
	Huybrechts et al. (1992) "Nucleotide sequence of a transactivating <i>Bombyx mori</i> nuclear polyhedrosis virus immediate early gene" <i>Biochim. Biophys. Acta.</i> 1129 :328-330					
	Jarvis and Summers, (1989) "Glycosylation and secretion of human tissue plasminogen activator in recombinant baculovirus-infected cells." <i>Mol Cell Biology</i> 9 :214-223					
Examiner Signature				Date Considered		

Substitute for form 1449A/PTO	ATTORNEY'S DKT No.	APPLICATION No.
	028722-274	Unassigned
	APPLICANT	
	IATROU et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE	GROUP
	Unassigned	Unassigned

U.S. PATENT DOCUMENTS						
Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)		
	Number	Kind Code (if known)				
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	Johnson et al., (1992) "A cellular promoter-based expression cassette for generating recombinant baculoviruses directing rapid expression of passenger genes in infected insects" <i>Virology</i> 190:815-823					
	Keil (1971) "Trypsin" in <i>The Enzymes</i> , Academic Press, 3:249-275					
	Kroll et al., (1993) "A multifunctional prokaryotic protein expression system: Overproduction, affinity Purification and Selective Detection" <i>DNA and Cell Biology</i> 12:441-453					
	Kunkel (1985) "Rapid and efficient site-specific mutagenesis without phenotypic selection" <i>Proc. Nat. Acad. Sci U.S.A.</i> 82:488-492					
	Lo et al., (1998) "High level expression and secretion of Fc-X fusion proteins in mammalian cells", <i>Protein Engineering</i> 11(6):495-500					
	Lu et al., (1996) "Trans-activation of a cell housekeeping gene promoter by the IE1 gene product of baculoviruses" <i>Virology</i> 218:103-113					
	Maiorella et al. (1988) "Large scale insect culture media for recombinant protein production" <i>Bio/Technology</i> 6:1406-1410					
	Martens et al., (1995) "Characterization of baculovirus insecticides expressing tailored <i>Bacillus thuringiensis</i> CryIA(b) crystal proteins" <i>J. of Invertebrate Pathology</i> 66:249-257					
	Martin-Eauclaire, et al., (1994) "Production of active, insect-specific scorpion neurotoxin in yeast" <i>Eur. J., Biochem.</i> 223:637-645					
	Mounier and Prudhomme, (1986) "Isolation of actin genes in <i>Bombyx mori</i> : the coding sequence of a cytoplasmic actin gene expressed in the silk gland is interrupted by a single intron in an unusual position" <i>Biochimie</i> 68:1053-1061					
	Mroczkowski, et al., (1994) "Secretion of thermostable DNA polymerase using a novel baculovirus vector" <i>The Journal of Biological Chemistry</i> 269(18):13522-13528					
	O'Reilly et al., (1992) <i>Baculovirus Expression Vectors</i> . W.H. Freeman and Co.					
	Sareneva, et al. (1994) "Role of N-glycosylation in the synthesis, dimerization and secretion of human interferon- γ " <i>Biochem J.</i> 303:831-840					
	Tzertziniz et al, (1994) "BmCF1, a <i>Bombyx mori</i> RXR-type receptor related to the <i>Drosophila ultraspiracle</i> ", <i>Journal of Molecular Biology</i> 238:479-486					
	Wu, et al., (1994) "Heterologous protein expression affects the death kinetics of baculovirus-infected insect cell cultures: a quantitative study by use of η -target theory" <i>Biotechnol. Prog.</i> 10:55-59					
	Yamashina, (1956) "The action of enterokinase on trypsinogen" <i>Preliminary Notes</i> 20:433-434					
Examiner Signature				Date Considered		

Substitute for form 1449A/PTO	ATTORNEY'S DKT NO. 028722-274	APPLICATION NO. Unassigned
	APPLICANT IATROU et al.	
	FILING DATE Unassigned	GROUP Unassigned
	<div style="text-align: right;"> J1940 U.S. PTO 10/08/99 02/27/02 </div>	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
	5,155,037		Summers	10/13/92
	5,516,657		Murphy et al.	5/14/96
	5,541,087		Lo et al.	07/30/96
	5,547,871		Black et al.	8/20/96
	5,565,362		Rosen	10/15/96
	5,571,720		Grandics et al.	11/5/96
	5,576,195		Robinson et al.	11/19/96
	5,674,485		Hammock et al.	10/07/97
	5,770,192		Cayley et al.	06/1998
	5,759,809		Iatrou	06/02/98
	5,726,044		Ming et al.	03/10/98
	5,837,816		Ciardelli et al.	11/17/98
	6,074,842		Londos et al.	06/2000

FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
	0 326 419		EPO	08/02/89		
	0 608 696		EPO	08/03/94		
	0 646 646		EPO	04/05/95		
	WO 94/00585		PCT	01/06/94		
	WO 94/03588		PCT	02/17/94		
	WO 95/17515		PCT	06/29/95		
	WO 99/10489		PCT	03/03/99		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	Bei, R., J. Schlom, and S.V.S. Kashmiri, 1995. "Baculovirus expression of a functional single-chain immunoglobulin and its IL-2 fusion protein," <i>J. of Immunological Methods</i> . 186, pp. 245-255.		
	Bonning, et al., (1994) "Superior expression of juvenile hormone esterase and β -galactosidase from the base protein promoter of <i>Autographica californica</i> nuclear polyhedrosis virus compared to the p10 protein and polyhedrin promoters" <i>Journal of General Virology</i> 75:1551-1556		
	Bonning and Hammock, (1996) "Development of Recombinant Baculoviruses for Insect Control" <i>Annual Review of Entomology</i> 41:191-210		
Examiner Signature		Date Considered	

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY'S DKT NO. 028722-274	APPLICATION NO. Unassigned
	APPLICANT IATROU et al.	
	FILING DATE Unassigned	GROUP Unassigned

U.S. PATENT DOCUMENTS						
Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)		
	Number	Kind Code (if known)				
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	No
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	Brinster et al., (1988) "Introns increase transcriptional efficiency in transgenic mice" <i>PNAS U.S.A.</i> 85:836-840					
	Chai, et al., (1993) "Glycosylation and high-level secretion of human tumour necrosis factor- β in recombinant baculovirus-infected insect cells" <i>Biotechnol. Appl. Biochem</i> 18:259-273					
	Clément and Jehanno, (1995) "Secretion of a bacterial protein by mammalian cells" <i>Journal of Biotechnology</i> 43:169-181					
	Collins, et al. (1994) "Cloning and expression of bovine and porcine interleukin-2 baculovirus and analysis of species cross-reactivity" <i>Veterinary Immunology and Immunopathology</i> 40:313-324					
	Congote and Li, (1994) "Accurate processing and secretion in the baculovirus expression system of an erythroid-cell-stimulating factor consisting of a chimaera of insulin-like growth factor II and an insect insulin-like peptide" <i>Biochem J.</i> 299:101-107					
	Cottrez, et al., (1994) "Murine interleukin-4 production with a baculovirus: an easy and rapid method for a small scale production of functional interleukins" <i>Eur. Cytokine Netw.</i> 5(5):481-487					
	Davis and Wood (1995) "Intrinsic glycosylation potentials of insect cell cultures and insect larvae" <i>in vitro Cell. Dev. Biol.</i> 31:659-663					
	DiFalco, M.R., E. Bakopanos, M. Patricelli, G. Chan, and L.F. Congote. 1997. "The influence of various insect cell lines, p10 and polyhedrin promoters in the production of secreted insulin-like growth factor-interleukin-3 chimeras in the baculovirus expression system." <i>J. of Biotechnology</i> . 56, pp. 49-56.					
	Farrell, Patrick J., Maolong Lu, J. Prevost, C. Brown, L. Behie, and K. Iatrou. "High-level expression of secreted glycoproteins in transformed lepidopteran insect cells using a novel expression vector." 1998. <i>Biotechnology and Bioengineering</i> , Vol. 60, No. 6, pp. 656-663.					
	Garnier et al., (1994) "Scale-up of the adenovirus expression system for the production of recombinant protein in human 293S cells" <i>Cryotechnology</i> 15(1-3):145-155					
	Hanzlik et al., (1989) "Isolation and Sequencing of a cDNA clones coding for juvenile hormone esterase from <i>Heliothis virescens</i> " <i>J. Biol. Chem.</i> 264(21):12419-12425					
	Huybrechts et al. (1992) "Nucleotide sequence of a transactivating <i>Bombyx mori</i> nuclear polyhedrosis virus immediate early gene" <i>Biochim. Bioph. Acta.</i> 1129:328-330					
	Jarvis and Summers, (1989) "Glycosylation and secretion of human tissue plasminogen activator in recombinant baculovirus-infected cells." <i>Mol Cell Biology</i> 9:214-223					
Examiner Signature			Date Considered			

Substitute for form 1449A/PTO	ATTORNEY'S DKT NO. 028722-274	APPLICATION NO. Unassigned
	APPLICANT IATROU et al.	
	FILING DATE Unassigned	GROUP Unassigned
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT	

U.S. PATENT DOCUMENTS						
Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)		
	Number	Kind Code (if known)				
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	Johnson et al., (1992) "A cellular promoter-based expression cassette for generating recombinant baculoviruses directing rapid expression of passenger genes in infected insects" <i>Virology</i> 190:815-823					
	Keil (1971) "Trypsin" in <i>The Enzymes</i> , Academic Press, 3:249-275					
	Kroll et al., (1993) "A multifunctional prokaryotic protein expression system: Overproduction, affinity Purification and Selective Detection" <i>DNA and Cell Biology</i> 12:441-453					
	Kunkel (1985) "Rapid and efficient site-specific mutagenesis without phenotypic selection" <i>Proc. Nat. Acad. Sci U.S.A.</i> 82:488-492					
	Lo et al., (1998) "High level expression and secretion of Fc-X fusion proteins in mammalian cells", <i>Protein Engineering</i> 11(6):495-500					
	Lu et al., (1996) "Trans-activation of a cell housekeeping gene promoter by the IE1 gene product of baculoviruses" <i>Virology</i> 218:103-113					
	Maiorella et al. (1988) "Large scale insect culture media for recombinant protein production" <i>Bio/Technology</i> 6:1406-1410					
	Martens et al., (1995) "Characterization of baculovirus insecticides expressing tailored <i>Bacillus thuringiensis</i> CryIA(b) crystal proteins" <i>J. of Invertebrate Pathology</i> 66:249-257					
	Martin-Eauculaire, et al., (1994) "Production of active, insect-specific scorpion neurotoxin in yeast" <i>Eur. J., Biochem.</i> 223:637-645					
	Mounier and Prudhomme, (1986) "Isolation of actin genes in <i>Bombyx mori</i> : the coding sequence of a cytoplasmic actin gene expressed in the silk gland is interrupted by a single intron in an unusual position" <i>Biochimie</i> 68:1053-1061					
	Mroczkowski, et al., (1994) "Secretion of thermostable DNA polymerase using a novel baculovirus vector" <i>The Journal of Biological Chemistry</i> 269(18):13522-13528					
	O'Reilly et al., (1992) <i>Baculovirus Expression Vectors</i> . W.H. Freeman and Co.					
	Sareneva, et al. (1994) "Role of N-glycosylation in the synthesis, dimerization and secretion of human interferon- γ " <i>Biochem J.</i> 303:831-840					
	Tzertziniz et al, (1994) "BmCF1, a <i>Bombyx mori</i> RXR-type receptor related to the <i>Drosophila ultraspiracle</i> ", <i>Journal of Molecular Biology</i> 238:479-486					
	Wu, et al., (1994) "Heterologous protein expression affects the death kinetics of baculovirus-infected insect cell cultures: a quantitative study by use of η -target theory" <i>Biotechnol. Prog.</i> 10:55-59					
	Yamashina, (1956) "The action of enterokinase on trypsinogen" <i>Preliminary Notes</i> 20:433-434					
Examiner Signature				Date Considered		